

## LASER-INDUCED CUTTING OF METAL INTERCONNECT

## Abstract of the Disclosure

An electrical interconnect includes a substrate having an insulating surface upon which is placed an electrically-  
5 conductive cut-link pad and a pair of electrically-  
conductive lines. The lines are bonded to the cut-link pad and are substantially more resistant to heat flow per unit length than is the cut-link pad. In a preferred  
10 embodiment, the thermal resistance per unit length of the cut-link pad is lowered by designing the pad such that its width is greater than the width of either of the lines. A method for cutting a circuit includes directing a laser upon the cut-link pad of an interconnect, as described above. The laser is maintained upon the pad until the cut-  
15 link pad is ablated, severing the circuit.

0825808 "040397